

## CLAIMS

What is claimed is:

1. An improvement on white light LED, which is composed of an electrode support, LED emitting chips, a fluorescent powder layer, a diffusion layer and packaging resin, wherein the process includes placing LED emitting chips on electrode support, followed by dispensing gel material to form a fluorescent powder layer that covers LED emitting chips, finally followed by using packaging resin for encapsulation; and the process has a feature that uses the diffusion layer containing transparent microparticles makes LED emitted light more uniform through light refraction.
2. The improvement on white light LED of claim 1, wherein the material of the transparent microparticles contained in the diffusion layer is inorganic glass powder ( $\text{SiO}_2$ ) or polymeric material such as PMMA, PC, PE and PET.